

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1073	dihydroxyacetophenone	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:50
S2	2238	metalloprotease near3 inhibitor	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:18
S3	2	S1 and S2	US-PGPUB; USPAT	ADJ	ON	2007/07/23 11:41
S4	24343	acetophenone	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:18
S5	66	S4 and S2	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:24
S6	209	hydroxyaryl SAME ketone	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:25
S7	2	S6 and S2	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:24
S8	168	hydroxyaryl with ketone	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:30
S9	17967	metalloprotease OR metalloproteinase OR MMP OR metallocarboxypeptidase OR metalloendopeptidase	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:50
S10	15535	S9 AND inhibitor	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:31
S11	12	S10 and S1	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:34
S12	266	S10 and S4	US-PGPUB; USPAT	ADJ	ON	2007/08/08 14:44
S13	17979	S9 or metallomatrix	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:44
S14	111	metallomatrix	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:44
S15	24426	S14 or S4	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:44
S16	28	S14 and S4	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:45
S17	4802	MMI	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:45
S18	1483	S17 and inhibitor	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:45
S19	1	S18 and S4	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:49

## EAST Search History

S20	1207	dihydroxyacetophenone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/23 13:49
S21	0	S20 xnot S1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/23 13:50
S22	134	dihydroxyacetophenone	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/23 13:54
S23	17979	metalloprotease OR metalloproteinase OR MMP OR metallocarboxypeptidase OR metalloendopeptidase OR metallomatrix	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:50
S24	0	S22 nad S23	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:51
S25	0	S22 and S23	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:51
S26	0	S22 and S23	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:52
S27	24343	acetophenone	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:52
S28	286	S27 and S23	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:52
S29	266	S28 and inhibitor	US-PGPUB; USPAT	ADJ	ON	2007/07/23 13:53
S30	31839	acetophenone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/23 13:54

## EAST Search History

S31	22016	metalloprotease OR metalloproteinase or metallocarboxypeptidase OR metalloendopeptidases or MMP or metallomatrix	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/23 13:54
S32	266	S30 and S31 and inhibitor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/23 13:55
S33	0	wo-200246225-\$.did.	US-PGPUB; USPAT	ADJ	ON	2007/08/06 13:41
S34	1	wo-200246225-\$.did.	DERWENT	ADJ	ON	2007/08/06 13:41
S35	1211	dihydroxyacetophenone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/07 13:27
S36	1168658	inhibit\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/07 13:27
S37	644	S35 and S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/07 13:28
S38	19808	metalloprot\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/07 13:28

## EAST Search History

S39	11	S37 and S38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/07 13:42
S40	31939	acetophenone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/07 13:42
S41	227	S40 and S36 and S38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/07 13:42
S42	234	S39 or S41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/07 13:42
S43	194	S42 AND @ay<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/07 13:43
S44	4785	\$hydroxyacetophenone	US-PGPUB; USPAT	ADJ	ON	2007/08/08 14:45
S45	1299	S44 same water	US-PGPUB; USPAT	ADJ	ON	2007/08/08 14:45
S46	3	S44 same topic\$5	US-PGPUB; USPAT	ADJ	ON	2007/08/08 14:47
S47	624	S44 same aqueous	US-PGPUB; USPAT	ADJ	ON	2007/08/08 14:48
S48	7	S44 same emulsion	US-PGPUB; USPAT	ADJ	ON	2007/08/08 14:58
S49	91	S44 near8 water	US-PGPUB; USPAT	ADJ	ON	2007/08/08 15:05
S50	44	S44 near8 aqueous	US-PGPUB; USPAT	ADJ	ON	2007/08/08 15:00

ANSWER 4 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

TI Topical delivery system comprising esters of hydroxy acids for cosmetic

and pharmaceutical agents

AB This invention relates to topical compns. containing esters of hydroxy acids

and their application in the deep-penetration delivery of beneficial

cosmetic and pharmaceutical agents. An ester of a hydroxy acid is

selected from alkyl and aryl esters of glycolic, malic, lactic, mandelic,

ascorbic, phytic, salicylic, aleuritic, and tartaric acids, etc.

Thus, a

skin whitening serum was prepared containing Et lactate 20.0, hydroxypropyl guar

0.5,, quinacetophenone 5.0, PEG-6 70.0, arbutin 4.0, and preservatives 0.5

parts, resp. The product had a clear to slightly hazy serum-like appearance. It was absorbed rapidly with a silky smooth skin feel. Also,

an arthritis pain relief anti-inflammatory gel was prepared containing tri-Et

citrate 55.65, Polyamide-3 5.0, preservative 0.5, Boswellia serrata extract

0.05, N-acetylglucosamine 2.0, methylsulfonylmethane 5.0, Aloe vera 0.1,

vitamin E 0.5, paeonol 0.5, magnolol 0.2, chondroitin sulfate 0.5, and

zeolite 30.0 parts, resp.

ACCESSION NUMBER: 2006:491792 CAPLUS

DOCUMENT NUMBER: 145:14124

TITLE: Topical delivery system comprising esters of hydroxy

acids for cosmetic and pharmaceutical agents

INVENTOR(S): Gupta, Shyam K

PATENT ASSIGNEE(S): Biodeem Research, USA

SOURCE: U.S. Pat. Appl. Publ., 20 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.
DATE			
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US 2006110415	A1	20060525	US 2004-904665
20041122			
US 2007166255	A1	20070719	US 2007-670942
20070202			
PRIORITY APPLN. INFO.:			
20041122			US 2004-904665 A2
			US 2005-161856 A2
20050819			

L4 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2001:935366 CAPLUS  
 DOCUMENT NUMBER: 136:74276  
 TITLE: Hair dyeing compositions containing  
 cyclopentaquinoxalinium derivatives  
 INVENTOR(S): Oberkobusch, Doris; Hoeffkes, Horst;  
 Moeller, Hinrich;  
 Gross, Wibke; Martin, Hans-Dieter  
 PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft auf Aktien,  
 Germany  
 SOURCE: PCT Int. Appl., 34 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.
WO 2001097764	A2	20011227	WO 2001-EP6690
20010613			
WO 2001097764	A3	20020523	
W: AU, JP, US			
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR			
DE 10029384	A1	20020103	DE 2000-10029384
20000621			
EP 1292268	A2	20030319	EP 2001-943502
20010613			
EP 1292268	B1	20050223	
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR			
AT 289502	T	20050315	AT 2001-943502
20010613			
ES 2238454	T3	20050901	ES 2001-1943502
20010613			
PRIORITY APPLN. INFO.:			DE 2000-10029384 A
20000621			

WO 2001-EP6690

W

20010613

OTHER SOURCE(S):

MARPAT 136:74276

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=> d his

(FILE 'HOME' ENTERED AT 08:06:22 ON 09 AUG 2007)

FILE 'REGISTRY' ENTERED AT 08:06:36 ON 09 AUG 2007

E 2,4-DIHYDOXYACETOPHENONE/CN

E 2,4-DIHYDROXYACETOPHENONE/CN

E 89-84-9/RN

L1

1 S E3

FILE 'CAPLUS' ENTERED AT 08:10:12 ON 09 AUG 2007

L2

1246 S L1

FILE 'REGISTRY' ENTERED AT 08:11:03 ON 09 AUG 2007

L3

1 S 89-84-9

FILE 'CAPLUS' ENTERED AT 08:11:20 ON 09 AUG 2007

L4

21 S L3/COS

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